

Part 573 Safety Recall Report

19V-683

Manufacturer Name : Bombardier Recreational Products, Inc.

Submission Date : JUL 28, 2021

NHTSA Recall No. : 19V-683

Manufacturer Recall No. : Bulletin 2020-1



Manufacturer Information :

Population :

Manufacturer Name : Bombardier Recreational Products, Inc.
Address : 726 Saint-Joseph Street
 Valcourt, Quebec - Canada 00 JOE 2LO
Company phone : 450-532-2211

Number of potentially involved : 11,378
Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2019 Can-Am Ryker
Vehicle Type : MOTORCYCLES
Body Style : OTHER
Power Train : GAS

Descriptive Information : New information October 8, 2020:

The Can-Am Ryker was first introduced in MY2019 and is the only model with this type of wheel assembly.

Initially, this safety recall (issued on October 3, 2019) was related to at least one lot of bad parts that we started receiving from February 7, 2019. Once the first parts were introduced into our factory, we can not track them with enough precision, therefore we included the remaining production until the last MY2019 vehicle produced on June 7, 2019.

As of October 8, 2020, we had 4971 vehicles from this initial population.

BRP has now decided to include in this safety recall all MY19 Ryker from the start of production. We are adding 3836 MY19 vehicles.

The total of MY19 is now 8807.

Production Dates : JUL 06, 2018 - JUN 07, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2020-2020 Can-Am Ryker
Vehicle Type : MOTORCYCLES
Body Style : OTHER
Power Train : GAS

Descriptive Information : As for MY2020, the first vehicles were produced in from June 5, 2019 and we paused production on September 13, 2019. When production of MY2020 will restart, the vehicles will have an updated wheel nuts installed.

Update October 8, 2020: We are not adding any MY20 vehicles VIN to this recall. As of October 8, 2020, the population of those vehicles in the US is 2575 vehicles.

Production Dates : JUN 05, 2019 -SEP 13, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The wheel nuts may crack resulting in a reduced clamping force.

Update October 8, 2020: Estimated percentage of defect: The system does not allow us to enter a number lower than 1%. We estimate it between 0.4% to 0.8%.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : This could eventually affect the integrity of the wheel assembly and the vehicle's behavior. This may increase the risk of a crash.

Description of the Cause : Hollowed extrusion could create a lack of material fusion (cold shot) on some sections of the extruded tubes at Tier-2 level.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : center lock wheel nut

Component Description : center lock wheel nut

Component Part Number : 705401881

Supplier Identification :**Component Manufacturer**

Name : Signature Aluminium Canada Inc.
Address : 1850 Clements Road
Pickering Foreign States L1W3R8
Country : Canada

Chronology :

In July 2019, BRP started receiving reports of cracked wheel nuts. Each wheel has one nut. This assembly is specific to our Ryker model which was introduced in MY2019.

BRP started its investigation and requested parts from the field. The pattern of reports accelerated in August.

The investigation included discussion with the suppliers to identify any possible deviation in the parts manufacturing process. This part is made by a Tier 1 and a Tier 2. The issue was identified as coming from the hollowed aluminum extrusion process of the Tier 2 supplier.

BRP performed tests to evaluate the possible impact on a vehicle of a cracked nut. Also, the investigation was pointing on a possible reception of bad lot of parts sometimes during the production and not from the beginning of the MY2019 production. Therefore, BRP started the process to identify and locate the lot.

As BRP's investigation was ongoing, NHTSA contacted BRP during the week of August 19 regarding the wheel assembly.

From that week up to the week of September 15, tests were completed and taking in consideration discussions with NHSTA, BRP decided to issue a Safety Recall on the affected vehicles.

BRP received at least one bad lot of parts starting on February 7th and is unable to isolate the parts with enough certainty up to the vehicles produced on September 13, 2019. This includes some MY2019 and 2020 vehicles.

No injuries were reported

As of September 18, 2019, BRP identified a total of 44 reports worldwide of cracked wheel nuts including 41 in the United States. There are also 6 VOQs files at NHTSA and upon information we have (excerpt of VIN and State) we believe that they were also part of the 41 reports.

Update October 8, 2020: As of September 30, 2020, BRP, identified 24 reports of cracked nuts worldwide on vehicles excluded from the initial recall. The failure rate is lower than the previous population but BRP decided to include all vehicles produced with old nut.

Description of Remedy :

Description of Remedy Program : BRP will issue a safety recall.
BRP will send dealers a letter and bulletin. We will instruct dealers to replace the 3 wheel nuts.
BRP will inform its dealers by posting a letter to their attention on its dealer website along with the recall campaign bulletin. BRP will also send them such documents by mail.

BRP has the addresses of the vehicle owners in its warranty database and will send them a notice by mail and e-mail, if available.

As for the manufacturer's plan for reimbursement, the vehicles are still covered by the warranty program.

How Remedy Component Differs from Recalled Component : The Tier-2 aluminium extrusion tubes used to by our Tier-1, which were initially hollowed, will now be full.

The new part name is center lock wheel nut and new part number is 705 402 730.

The old part number has the same name but was part number 705 401 881.

We indicate in the dealer technical bulletin how to visually distinguish the two.

Identify How/When Recall Condition was Corrected in Production : The production of MY2019 was already completed. The production of MY2020 is stopped since September 13, 2019. When the production will resume, the wheel nut installed will be the new part.

Recall Schedule :

Description of Recall Schedule : For the first population of VIN, BRP posted the instructions to dealers on October 3, 2019 and started the owner mailing on October 17, 2019. For the added population of VIN, BRP wants to notify its dealers in the week of October 12, 2020 and to start the owner mailing before November 5, 2020.

Planned Dealer Notification Date : OCT 03, 2019 - OCT 03, 2019

Planned Owner Notification Date : OCT 17, 2019 - OCT 17, 2019

* NR - Not Reported